Please type	a plus	sign (+)	inside this	box	\rightarrow	+
-------------	--------	----------	-------------	-----	---------------	---

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3

Compl te if Known						
Application Number UNASSIGNED						
Filing Date	HEREWITH					
First Named Inventor	· KEVIN MANKE					
Group Art Unit	UNASSIGNED					
Examiner Name	UNASSIGNED					
Attorney Docket Number	2001-IP-004117U1D1USA					

U.S. PATENT DOCUMENTS								
Examiner Cite Initials No.1	U.S. Patent Document Kind Code ² Number (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
	6,328,103	PAHMIYER et al.	12-11-01					
(-)	6,325,146	RINGGENBERG et al.	12-04-01					
XIV	3,743,014	JESSUP	07-03-73					
Xu	3,762,219	JESSUP	10-02-73	·				
	4,878,538	CHRISTENSEN	11-07-89					
X = 2	5,332,035	SCHULTZ et al.	07-26-94					
12	5,826,662	BECK et al.	10-27-98					
X_7	5,097,902	CLARK	03-24-92					
1 3	5,791,414	SKINNER et al.	08-11-98					
11-0	5,887,652	BECK et al.	03-30-99					
2127	2,013,995	A G H STRAATMAN	09-10-35					
N.J	2,702,474	J. L. JOHNSTON	02-22-55					
(L. (A.	3,412,607	L. I. JENSEN	11-26-68					
127	3,611,799	M. DAVIS	10-12-71					
10,1	4,046,006	DUFRENE	09-06-77					
15.71	4,392,377	RANKIN	07-12-83					
XLJ	4,458,245	CROSNIER et al.	07-03-84					
11.7	4,635,717	JAGELER	01-13-87					
N.3	5,065,619	MYSKA	11-19-91					
T.X.	5,808,192	SCHMIDT	09-15-98					

	FOREIGN PATENT DOCUMENTS									
Examiner	Examiner Cite	F	Foreign Patent Document		Name of Patentee or	Date of Publication of	Pages, Columns, Lines,	T		
Initials	No.1	Office ³	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	T ₆		
27		EP	0 896 126	A2	HALLIBURTON ENERGY	02-10-99		T		
12		EP	0 295 922	A2	HALLIBURTON COMPANY	12-21-88				
MZ		WO	00/58604	A1	DEN NORSKE STATS	10-05-00				
								+		
ļ										
								-		
							- · · · · · · · · · · · · · · · · · · ·	+-		

xaminer /) / / /	Date /aa/
Signature / todice / Lackson	Considered OY/Q9/0 U

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box \implies .	Please Type	a plus	sign (+) inside	this box	->	┪
--	-------------	--------	--------	-----------	----------	----	---

of

Sheet

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO	Comp	Compl te if Known		
	Application Number	UNASSIGNED		
INFORMATION DISCLOSUR	E Filing Date	HEREWITH		
STATEMENT BY APPLICAN	T First Named Inventor	KEVIN MANKE		
•	Group Art Unit	UNASSIGNED		
(use as many sheets as necessary)	Examiner Name	UNASSIGNED		
Sheet 2 of 3	Attorney Docket Number	2001-IP-004117U1D1USA		

Attorney Docket Number

		-		U.S. PATENT DOCL	JMENTS	
Examiner Initials	Cite No.1	U.S. Patent D Number	Kind Code ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Whore Relevant Passages or Relevant Figures Appear
		6,058,772		AALTO	05-09-00	, .
		6,062,073		PATTON et al.	05-16-00	
CAW		3,981,188		BARRINGTON et al.	09-21-76	
众么		5,353,637		PLUMB et al.	10-11-94	
 						
					 	
					 	
					 	
			1		 	
						
						
						
	[1	

	FOREIGN PATENT DOCUMENTS										
Examiner	Cite	F	oreign Patent Do		Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant				
Initiats'	No.1	Office ³	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T ⁶			
			.								
						<u> </u>					
						 	_ 				
		 						 			
								+			
								+			

Examiner / /	/ / / / / / / / / / / / / / / / / / /	Date	
		\wedge	$\Delta U / \Delta \alpha / \Delta U$
Signature // // //	y K w Last	Considered	104/09/00

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.